Bell, E. T. *Debunking Science*, M. H. INGRAHAM, 167–168.
——— *The Queen of the Sciences*. P. H. LINEHAN, 296–297.
Bennett, A. A. See Bowden, J.
Berzolari, L.; Vivanti, G.; and Gigli, D. *Enciclopedia delle Matematiche Elementari*, Vol. I, part 2. G. A. MILLER, 168–171.
Blumenthal, L. M. See Turnbull, H. W.
Bowden, J. *Elements of the Theory of Integers*. A. A. BENNETT, 172–173.
Brand, L. *Vectorial Mechanics*. F. D. MURNAGHAN, 357–358.
——— See Wills, A. P.
Brink, R. W. See Moulton, F. R.
Bushey, J. H. See Crenshaw, B. H.
Carmichael, R. D. and Smith, E. R. *Mathematical Tables and Formulas*. R. A. JOHNSON, 41.
Church, A. See Ramsey, F. P.
Coble, A. B. See Coolidge, J. L.
Columbia University. *Catalogue of an Exhibition at Columbia University to Commemorate the One Hundredth Anniversary of the Birth of Lewis Carroll*. L. G. SIMONS, 420–422.
Coolidge, J. L. *A Treatise on Algebraic Plane Curves*. A. B. COBLE, 293–295.
Craig, H. V. See McConnell, A. J.
Crenshaw, B. H., Pirenian, Z. M., and Simpson, T. M. *Mathematics of Finance*. J. H. BUSHEY, 540–541.
Dean, Mildred W. See Rouse, L. J.
Dienes, P. *The Taylor Series*. N. MILLER, 418–420.
Earl, J. M. See Wolff, J.
Engel, F. and Faber, K. *Die Liesche Theorie der Partiellen Differentialgleichungen Erster Ordnung*. C. H. SISAM, 598.
Esty, T. C. See Shorter, L. R.
Faber, K. See Engel, F.
Gehman, H. M. See Winger, R. M.
Gigli, D. See Berzolari, L.
Gilman, R. E. See Ballantine, J. P.
Godeaux, L. *La Géomètrie*. N. ALTSHILLER-COURT, 597.
Graustein, W. C. *Introduction to Higher Geometry*. E. P. LANE, 235–237.
Graves, G. H. See Richard, P. J.
Haas, A. See Schaaf, W. L.
Hamilton, W. R. *Mathematical Papers, vol. I, Geometrical Optics*. J. PIERPONT, 231–235.
Hasse, H. *Bericht über Neuere Untersuchungen und Probleme aus der Theorie der Algebraischen Zahlkörper. Teil I, Klassenkörpertheorie. Teil II, Reziprozitätsgesetz*. L. WEISNER, 296.
Henry, A. *Le Calcul des Différences Finies et ses Applications*. Translated by A. Sallin, B. F. KIMBALL, 542–543.
Hopf, L. *Die Relativitätstheorie*. M. TALMEY, 237–238.
Hosford, H. M. See Papelier, G.
Hurwitz, W. A. See Ince, E. L.
Ince, E. L. *Ordinary Differential Equations*. W. A. HURWITZ, 424.
Ingraham, M. H. See Bell, E. T.
Johnson, R. A. See Carmichael, R. D.
——— See Seidlin, J.
Keyser, C. J. *Humanism and Science*. N. J. LENNES, 31–35.
Kimball, B. F. See Henry, A.
Kowalewski, G. *Allgemeine Natürliche Geometrie und Liesche Transformationsgruppen*. C. H. SISAM, 40–41.
Lane, E. P. See Graustein, W. C.
Lennes, N. J. See Keyser, C. J.
Linehan, P. H. See Bell, E. T.
Logsdon, Mayme I. See Zacharias, M.
Longley, W. R. See Smith, P. F.
Loria, G. *Storia delle Matematiche, Vol. II. I secoli XVI e XVII*. D. E. SMITH, 42–44.
Low, B. B. *Mathematics*. L. T. MOORE, 297–298.
Mackaye, J. *The Dynamic Universe*. M. TALMEY, 36–40.
McConnell, A. J. *Applications of the Absolute Differential Calculus*. H. V. Craig, 166–167.
Miller, G. A. See Berzolari, L.
Miller, N. See Dienes, P.
Moore, L. T. See Low, B. B.
Moulton, F. R. *Astronomy*. M. F. WEINRICH, 600.
——— *Differential Equations*. R. W. BRINK, 482–485.
Murnaghan, F. O. See Brand, L.
Musselman, J. R. See Smith, P. F.
Nielsen, N. *Géomètres Français sous la Révolution*. N. ALTSHILLER-COURT, 597–598.
Papelier, G. *Eléments de Trigonométrie Sphérique*. H. M. HOSFORD, 485–486.
Pierpont, J. See Hamilton, W. R.
Pirenian, F. M. See Crenshaw, B. H.
Poor, V. C. *Electricity and Magnetism, the Mathematical Theory*. S. A. SCHELKUNOFF, 41–42.
Ramsey, F. P. *The Foundations of Mathematics*. A. CHURCH, 355–357.
Reidemeister, K. *Vorlesungen über Grundlagen der Geometrie. Die Grundlehren der Mathematischen Wissenschaften*, vol. 32. R. ROBINSON, 539–540.
Richard, P. J. *La Gamme*. G. H. GRAVES, 541–542.
Robertson, H. P. See Silberstein, L.
Robinson, R. See Reidemeister, K.
Rouse, L. J. *College Algebra*. MILDRED W. DEAN, 423–424.
Sallin, A. See Henry, A.
Schaaf, W. L. *Mathematics for Junior High School Teachers*. A. HAAS, 35–36.
Schelkunoff, S. A. See Poor, V. C.
Seidlin, J. *A Critical Study of the Teaching of Elementary College Mathematics*. R. A. JOHNSON, 114–115.
Shorter, L. R. *Introduction to Vector Analysis*. T. C. ESTY, 110–112.
Silberstein, L. *The Size of the Universe*. H. P. ROBERTSON, 600–603.
Simons, Lao G. See Archibald, R. C.
——— See Columbia University.

Simpson, T. M. See Crenshaw, B. H.
Sisam, C. H. See Engel, F.
——— See Kowalewski, G.
Smail, L. L. See Winger, R. M.
Smith, D. E. *Note on a Greek Papyrus in Vienna.* 425.
——— See Loria, G.
Smith, E. R. See Carmichael, R. D.
Smith, P. F. and Longley, W. R. *Intermediate Calculus.* J. R. MUSSELMAN, 171–172.
Struik, D. J. See Thomas, T. Y.
Talmey, M. See Hopf, L.
——— See Mackaye, J.
Thomas, T. Y. *The Elementary Theory of Tensors with Applications to Geometry.* D. J. STRUIK, 112–114.
Turnbull, H. W. and Aitken, A. C. *An Introduction to the Theory of Canonical Matrices.* L. M. BLUMENTHAL, 599–600.
Vivanti, G. See Berzolari, L.
Weinrich, M. F. See Moulton, F. R.
Weisner, L. See Hasse, H.
Wills, A. P. *Vector Analysis with an Introduction to Tensor Analysis.* L. BRAND, 598–599.
Winger, R. M. A Letter to the Editor, Concerning a Review of Smail's Algebra. 173–174.
Wolff, J. *Fourier'sche Reihen.* J. M. EARL, 358.
Zacharias, M. *Elementargeometrie der Ebene und des Raumes.* MAYME I. LOGSDON, 112.

MATHEMATICAL CLUBS—TOPICS

EELLS, W. C. 1932 as a centennial year in the history of mathematics, 298–299.

MATHEMATICAL CLUBS—ACTIVITIES

(Including Chapters of The Pi Mu Epsilon Mathematical Fraternity.)

Adelphi College, 427.
Alabama, University of, 426.
Arkansas, University of, 426–427.
Boston University, 546.
Bucknell University, 487.
Buffalo, University of, 428.
California, University of, 486–487.
California, University of, at Los Angeles, 544–545.
Carleton College, 488.
Chicago, University of, 545.
Cooper Union Institute of Technology, 427–428.
Creighton University, 487–488.
Dartmouth College, 546–547.
De Pauw University, 605–606.
Detroit, College of the City of, 605.
Drake University, 604–605.
Hunter College, 544, 545–546.
Illinois, University of, 603–604.
Iowa State College, 604.

PROBLEMS—AUTHORS

Numbers refer to pages, black-face type indicating a problem solved and solution published, italics a problem solved but solution not published, ordinary type a problem proposed.

Agnew, R. P., *47*, *56*, **116, 118,** *121*, *305*, *556*.
Allen, E. F., *557*.
Alliot, E., *556*, *559*.
Altshiller-Court, N., 56, 175, 239, 364, 365, 490, 495, 549, 607.
Andrew, T., 49.
Anning, N., 490, 555.
Aroian, L., *121*.
Aude, H. T. R., *179*, *240*, 429, *557*.
Aurelius, Brother, *556*.
Ayres, F., *305*.
Bailey, H. W., *56*.
Baker, G. A., *557*.
Ballantine, J. P., 497.
Barnhart, C. A., *557*.
Bauer, L. M., *556*, *557*.
Bear, A. W., *56*.
Bennett, A. A., 115, 300, 359.
Berkeley, L. M., 238.
Berry, E. M., 116, 175, 240, *499* (2).
Bibb, S. F., *556*, *557*.
Bradley, A. D., *556*.
Bugdanoff, E. P., 552.
Buker, W. E., 175, 608.
Burnam, J. E., *179*, *244*.
Butchart, J. H., *556*, *557*, *559*, *560*.
Campbell, H. A., 46.
Campbell, W. B., *121*, **366,** *431*, *432*, *557*, *560*.
Carleton, C. S., *557*.
Carlson, C. S., *556*.
Charosh, M., *179*, 241, *556* (2), 608.
Cheney, W. F., Jr., 489 (2), 548 (2), 606 (3).
Chittenden, E. W., 46.
Chow, W. L., *240*.
Church, W. R., *56*, *179*, *241*, *242*.
Clark, A. G., *56*, **119,** *121*, *240*, *241*, *242*, *557*.
Clawson, J. W., *180*, *499* (2).
Collins, O. C., *56*.
Colwell, R. C., **51.**
Cox, E. F., *177*.
Crane, R., *556*, *560*.
Davis, L., 490.
Deutsch, J. G., 242.
Deutsch, L., *241*.
Deutsch, R., *56*, *121*, *179*, *180*.
Duncan, D. C., 45, *121* (2), 239, *304*, 558, 607.

Dunkel, O., **47** (Note), **54** (Note), **119** (Note), **177** (Note), **244** (Note), **303** (Note), (2), **362, 365** (Note), 429, **491, 493** (Note), **495** (Note), **550** (Note), **553, 555** (Note).
Echols, W. H., 46, 559.
Edmondson, T. W., *53*.
Ennis, J. B., *432*.
Escott, E. B., *243*, 432.
Feld, J. M., 174, *179*, 300, 550, *557*.
Feldman, H. M., *430*.
Field, S. E., *557*.
Fisher, H. L., 240.
Fisk, N. C., *556*.
Fleisher, E., *56*, *556* (2), *557*.
Ford, L. R., 490.
Ford, O. R., **51**.
Foust, J. W., *557*.
Fox, Jeanette, **610**.
Frink, O., 430, 490, 549.
Funkhouser, H. G., *557*.
Gaines, R. E., 46 (2), 116 (2), 175, 490, 559, 608 (2).
Galbraith, A., 45.
Gault, A. E., *121*.
Gibson, Emma M., *430*.
Goodhue, E. A., *557*.
Goormaghtigh, R., **54, 493, 550,** *556* (2), *557*, *559*.
Graham, Mabel S., *499*.
Graves, R., *499*.
Green L., *120*.
Grossman, H. D., *305*, *556* (2), 608.
Gunder, D. F., *56*, **497,** *557*.
Halliwill, Marjorie E., **55**.
Haughwout, L. B., *498*.
Hershfield, A., *498*.
Hicks, J. F. G., *241*.
Hill, J. D., *56*, *240*, *241*, **241,** *557*, **608**.
Hillard, C. R., *557*.
Hinrichsen, J. J. L., 549.
Holl, D. L., **49**.
Hoover, W., *497*, *498* (2).
Ivanoff, V. F., *55*, 115, *117*, 240, *240*, *364*, 429, 490, *495*, *498*, *499* (2).
Johnson, A. E., *499* (2).
Johnson, R. A., *121*, **242,** *498*.
Johnston, L. S., *121*, *179*, *180*, *240*, *556*.
Jones, S. I., 549.
Kaltenborn, H. S., *557*.
Kennedy, E. C., *240*, 301.
Kimball, B. F., 177, 549, 607.
Knox, J. J., *557*.
Lacy, Charlotte M., *557*.
Lehmann, C. H., *557*.
Lehmer, Emma, *179*, *242*.
Leith, J. D., *56*, *241*, **430,** *557*.
Lindquist, T., *121*, *241*, *556*, *557*.
Lochner, R. P., 301.
MacDuffee, C. C., **48**.
MacKay, R., *556*, *557*.
Martin, A., 301, 550.
McCain, Gertrude I., *56*, *241*.
McCoy, Dorothy, **557**.
McLaughlin, J. A., *241*.
Merrill, A. S., *499*.
Merrill, Helen A., **179**.
Meyer, H. A., **47,** *499*.
Meyer, J. B., *557*.
Miller, G. I., *56*.
Miller, Mrs. Pearl C., 607.
Moritz, R. E., *56*, 359, **359**.
Morley, F., 359, 549.
Morley, R. K., 489.
Morrill, W. K., *557*.
Morris, M., *499*.
Morris, R., **556**.
Murray, V. F., **431,** *556*.
Musselman, J. R., **179,** *559*.
Neelley, J. H., *56*, *240*, *499*.
Nixon, Mrs. Elizabeth, *556*.
Oakley, C. O., 548.
Olson, H. L., *305*.
Parker, W. V., *240*, *305*, *434*, *557*.
Pelletier, A., *56*, *57*, *119*, *121*, *179*, *180*, *241*, *244*, **303,** *305*, *364*, *366*, *431*, *432*, *495*, *497*, *499* (6), *556* (2), *557*.
Purcell, E. J., **56**.
Ramler, O. J., *120*, *240*, *244*, *364*, *495*.
Randall, A. R., *557*.
Rankin, A. W., *557*.
Ransom, W. R., 489, 547, 606.
Rasche, W. H., 175, 239, 300, 359, 430, 431, *556* (2).
Rasmussen, C. A., 119.
Rasor, E. A., *56*.
Rea, P. L., *56*.
Reynolds, J. B., 175, 239, *499* (8), 607.
Richert, D. H., **240**.
Richtmeyer, C. C., *557*.
Roberts, B. D., **120, 240**.
Robinson, H. A., *557*.
Rosenbaum, J., *56*, *119*, 304, *364*, *366*, *495*, **496, 552**.
Rosenman, M., 175, 239.
Ruderman, H. D., *240*, *556* (2), *557*.
Rutherford, D. E., *242*.
Sanchez-Diaz, R., *557*.
Schoonmaker, Hazel, *121*, *557*.
Schug, H. L., *557*.
Sell, W., *556* (2), *557*, *559*.
Shaw, A. A., 116.
Shively, L. S., *556*.
Silverman, L. L., 49.
Simmons, H. A., 609.
Siroky, E., *556*.
Slaught, H. E., 489.
Smith, T. L., *53*, **433**.
Smith, W., *56*, *244*, **301, 364, 495,** *556* (2).
Smyth, Mrs. B. J., *56*, **555,** *557*.
Sosnow, G. Y., 239.
Spies, O. A., 548.
Spunar, V. M., 53, 116, 493.
Staley, R. C., *121*, *179*, *557*.
Starke, E. P., *179*, *241*, *242*.
Stelson, H. E., 243, *243*, 303.
Swift, E., 556.
Szegö, G., **49**.
Tamarkin, J., *49*.
Thompson, W. A., 362.
Uhler, H. S., *498*.

Underwood, F., *56, 57, 119, 120, 121, 180, 240, 243, 244, 304, 305, 364,* **365,** *430,* **430,** *432, 434, 495, 498* (2), *556* (2), *557,* **558,** *560.*
Uspensky, J. V., 116, **176.**
Wad, E., 359.
Ward, M., **304.**
Weaver, G. L., *56.*
Weinberger, M., *499* (2).
Weisberg, H., *556, 557.*
Wernicke, P., *366, 431, 432, 499, 557, 559, 560.*
West, J. M., 45, *556* (2), 556.
Whitney, H., *499.*
Williams, F. G., *557.*
Williams, G. A., *121.*
Wilmer, F. L., *119, 242, 304, 367, 555, 557, 559,* **610** (2).
Wilson, Dorothy M., *121.*
Wishard, G. W., *179.*
Woo, K., *56, 121, 240.*
Woods, R., *121, 556* (2), *557,* **559.**
Yanney, B. F., *56, 499* (2).
Yanosik, G. A., 359.
Yates, R. C., *557.*
Young, Mabel M., *120.*
Young, Margaret, **243.**

PROBLEMS—SOLUTIONS

Numbers in black-face type refer to problems; those in light-face to pages.

275, 116–117; **353,** 301–303; **434,** 46–47; **3140,** 48; **3233,** 359–362; **3276,** 49; **3298,** 362–364; **3365,** 490–493; **3408,** 176–177; **3433,** 49–51; **3460,** 177–179; **3462,** 51–53; **3469,** 53–55, and 493–495; **3476,** 55–56; **3477,** 56–57; **3478,** 117–119; **3479,** 119–120; **3480,** 179; **3482,** 364–365, and 495–496; **3483,** 120–121; **3485,** 179–180; **3486,** 240; **3487,** 240–241; **3488,** 241–242; **3489,** 242–243; **3490,** 243–244; **3491,** 365–366; **3493,** 366–367; **3495,** 608–609; **3496,** 303–304; **3497,** 304–305; **3500,** 430; **3503,** 430–431; **3504,** 431–432; **3505,** 496–497; **3506,** 432–434; **3508,** 550–552; **3512,** 552; **3514,** 497–498; **3515,** 552–555; **3518,** 609–610; **3519,** 555; **3520,** 556; **3521,** 556–557; **3523,** 558–559; **3524,** 559; **3526,** 559–560.

NOTES AND NEWS

Academies, Associations, Congresses, Societies, etc.: American Association for the Advancement of Science, 307, 499–500; American Institute of Physics, 121; American Mathematical Society, 57, 307, 561; International Commission on the Teaching of Mathematics, 560; International Mathematical Congress, 57, 180–181, 560; International Mathematical Union, 57, 560; Mathematical Association of America, 306; National Council of Teachers of Mathematics, 308.
Publications: Scripta Mathematica, 561; Journal of Chemical Physics, 561.
Doctorates: 368–372, 500.
National Research Fellows: 58.
Prizes: Cresson Medal, 434; Edison Medal, 181; Fritz Medal, 121; Guggenheim Gold Medal, 434; Ives Medal, 121; University of Moscow Prize, 245; Popular Science Monthly Prize, 307; Roosevelt Medal, 434; Scott award, 561.
Summer Courses: 181–184, 245–246, 308.
Colleges, Technical Schools and Universities: California at Los Angeles, 245; Chicago, 181; Columbia, 181–182; Cornell, 182; Illinois, 182; Institute for Advanced Study, 611; Iowa, 182; Johns Hopkins, 182; Kansas, 182; Maine, 245; Massachusetts Institute of Technology, 182–183; Michigan, 183; Minnesota, 183; Northwestern, 183; Ohio, 245; Pennsylvania, 183; Pittsburgh, 183–184; Princeton, 121; Southern California, 308; Stanford, 246; Syracuse, 184; Texas, 184; Vermont, 184; Wisconsin, 184; Yale, 245.

PERSONAL MENTION

Ackley, H. M., 316, 317.
Adams, C. R., 130, 435.
Adams, O. S., 2.
Adams, P. A., 368.
Adams, W. F., 426.
Adams, W. S., 58.
Adkisson, V. W., 123, 426.
Agnew, R. P., 47, 56, 58, 116, 118, 121, 305, 556.
Aho, Impi, 488.
Aitchison, Beatrice, 501, 506, 507.
Aitkin, A. C., 537, 599.
Albert, O. W., 373, 500, 501.
Alexander, J. W., 560.
Allen, E. F., 557.
Allen, E. S., 135.
Allen, R. B., 374.
Alliot, E., 556, 559.
Allison, N. B., 510.
Alrich, G. F., 248, 506.
Alter, D., 321.
Altshiller-Court, N., 56, 129, 175, 193, 239, 364, 365, 490, 495, 501, 503, 549, 597, 598, 607.
Ames, D. B., 368.
Ames, L. D., 308, 373, 501.
Amos, C. E., 374.
Anderson, Nola L., 123, 247, 438.
Anderson, W. E., 374.
Anderton, Ethel, 248, 506.
Andrew, T., 49.
Anning, N. H., 183, 241, 316, 490, 555.
Archibald, R. C., 185, 355, 422, 561.
Archibald, R. G., 1, 182.
Armstrong, Beulah, 123, 435, 445
Arnold, W. C., 606.
Aroian, L., 121.
Ashmun, R. N., 2, 506.
Ashton, C. H., 320.
Atanasoff, J. V., 604.
Atchison, C. S., 123.
Atkin, E. I., 445, 446.
Atkinson, Doris, 546.
Aude, H. T. R., 179, 240, 353, 429, 557.
Aurelius, Brother, 556.
Ayres, F., 305.
Ayres, W. L., 316, 317.
Babb, M. J., 183.
Babcock, R. W., 123, 320.
Babcock, Wealthy, 320.

Bacon, Clara L., 2, 248, 501.
Bailey, E. A., 123.
Bailey, H. W., 56, 182, 382, 435, 445.
Baker, G. A., 315, 446, 448, 557.
Baker, S. R., 505.
Baldwin, J. W., 316.
Ballantine, J. P., 295, 486, 497, 501.
Bamforth, F. R., 123, 375.
Banes, Gladys L., 442.
Barber, H. C., 308.
Bareis, Grace, 29, 375.
Barnard, R. W., 446.
Barnes, W. N., 318.
Barnett, I. A., 375.
Barnhart, C. A., 557.
Barrow, D. F., 438, 439, 440.
Bartky, W., 181, 446.
Barton, H., 121.
Barton, Helen, 562.
Basoco, M. A., 501.
Batchelder, P. M., 184, 318.
Bateman, H., 354, 373, 501.
Baten, W. D., 58, 182, 256, 316, 317.
Bauer, G. N., 538.
Bauer, L. A., 368, 436.
Bauer, L. M., 556, 557.
Baur, P. E., 375.
Baxter, W. E., 1, 510.
Beale, F. S., 368.
Bear, A. W., 56.
Beaver, R. A., 266.
Beckenbach, E. F., 58.
Becker, O., 428.
Beenken, May M., 501.
Beetle, R. D., 547.
Behrens, O., 605.
Bell, C., 373, 501, 544.
Bell, E. T., 110, 123, 126, 167, 296, 501, 502, 503, 515.
Bender, H. A., 375.
Benedict, H. Y., 318.
Bennett, A. A., 18, 27, 115, 173, 300, 359, 435, 577.
Bennett, T., 184.
Bentley, A. F., 443, 444.
Benton, T. C., 436.
Berger, Rose, 544.
Berkeley, L. M., 238.
Bernard, D. M., 439, 440.
Bernstein, B. A., 123, 501.
Berry, E. M., 116, 175, 240, 499.
Berzolari, L., 168.
Bettinger, A. K., 378, 487, 488.
Betz, W., 308.
Beveridge, H. R., 446.
Beverly, W., 58.
Bibb, S. F., 556, 557.
Bickerstaff, T. A., 123, 247, 437.
Bilinsky, S., 409.
Bill, A. P., 547.
Bingley, G. A., 248, 249, 506.
Birchard, W., 604.
Birchby, W. M., 58.
Birkhoff, G. D., 121, 123, 126.
Black, Florence L., 320.
Black, J. G., 138.
Black, L. T., 375.
Blackall, C. J., 315.
Blackwell, F., 546.
Blair, Leora, 123, 247, 248.
Blake, A., 248, 506, 507.
Blakeslee, Mr., 488.
Blaschke, W., 2, 181, 307.
Blau, L. W., 318.
Bliss, G. A., 121, 123, 126, 442, 445.
Blom, F., 247.
Blumberg, A. A., 318.
Blumenthal, L. M., 123, 318, 600.
Boatwright, F. W., 2.
Boas, F., 125.
Bohnenblust, H. F., 368.
Bohr, H., 538.
Bol, G., 181.
Bolks, S., 442.
Bolton, R. W., 501.
Bond, Martha, 426.
Borgman, W. M., Jr., 316, 317.
Borofsky, S., 368.
Boswell, J. M., 137.
Botsford, J. L., 315, 501.
Bowden, J., 110, 172, 427.
Bower, Julia W., 446, 545.
Bower, O. K., 446.
Bowie, R. M., 604.
Boyce, Jessie W., 505.
Boyce, M. G., 375.
Boyd, P. P., 137, 509, 510.
Bradley, A. D., 556.
Bradshaw, J. W., 316.
Brady, C. P., 544, 545.
Brahana, H. R., 182, 604.
Bramble, C. C., 2, 248, 249, 250, 506.
Brand, L., 110, 192, 357, 599.
Brandeberry, J. B., 316.
Brandner, F. A., 563.
Brandt, A. E., 563, 564.
Brashiers, Marion J., 426, 427.
Bratton, W. A., 501.
Bray, H. E., 123, 318.
Brenke, W. C., 130.
Brennan, Dorothy, 546.
Briansky, D., 427.
Brick, B. R., 505.
Bridgman, P. W., 126, 434.
Brink, R. W., 379, 485.
Britton, J., 566.
Brixey, J. C., 58.
Brodie, W. M., 562.
Brooke, W. E., 533.
Brown, B. H., 107, 435, 547.
Brown, Bernice, 563.
Brown, D. M., 1, 604.
Brown, E. W., 245.
Brown, M. C., 510.
Brown, Myrtle C., 123.
Bruce, R. E., 546.
Brunk, G., 605.
Brushaber, E., 605.
Bryan, N. R., 245.
Buchanan, Ann S., 128.
Buchanan, H. E., 123, 125, 130, 247, 437.
Buck, T., 58.
Buckman, A. L., 315, 486, 487, 501.
Buell, C. E., 375.
Bugdanoff, E. P., 552.
Buker, W. E., 175, 608.
Bullard, J. A., 184.
Bullock, R. C., 545.
Bumer, C. T., 375, 500.
Burington, R. S., 375, 500, 527.
Burke, J. B., 110.
Burnam, J. E., 179, 244, 318.
Burney, M. Sue, 130.
Burton, Martha, 605.
Bush, L. E., 368, 436.
Bushey, J. H., 501, 541.
Bussey, W. H., 130, 131, 379.
Butchart, J. H., 505, 556, 557, 559, 560.
Butter, F. A., 436.
Butterfield, A. D., 184.
Cairns, S. S., 61, 368, 518.
Cairns, W. D., 1, 123, 125, 131, 134, 316, 317, 367, 374, 375, 506.
Cairns, Mrs. W. D., 367.
Calkins, Helen, 368.
Callaway, Iris, 316.
Calmon, C., 546.
Camp, B. H., 285.
Camp, C. C., 378, 379.
Campbell, A. D., 184.
Campbell, H. A., 46.
Campbell, Jessie R., 501.
Campbell, W. B., 121, 366, 431, 432, 557, 560.
Candy, A. L., 378.
Capron, P., 2, 248, 250, 506, 509.
Caratheodory, C., 538.
Cardwell, A. B., 369.
Caris, P. A., 61, 62.
Carleton, C. S., 557.
Carlitz, L., 58, 611.
Carlson, C., 488.
Carlson, C. S., 556.
Carlson, Elizabeth, 183, 379.
Carmichael, G. N., 426.
Carmichael, R. D., 41, 123, 127, 129, 139, 446.
Carr, E. W., 604.
Carroll, Evelyn T., 369.
Carroll, I. S., 184.
Carscallen, G. E., 442, 443.
Carson, A. B., 427.
Cartereau, Theresa, 427.
Carver, H. C., 183.
Carver, W. B., 129, 182, 499, 501.
Case, L. O., 317.
Cassen, B., 58.
Cell, J. W., 123.
Chace, A. B., 246.
Charles Mary Morrison, Sister, 129, 370, 510.
Charosh, M., 179, 241, 556, 608.
Chellevold, J. O., 379.
Cheney, W. F., 129, 315, 489, 548, 606.
Chernefski, A., 487.
Chittenden, E. W., 46, 134, 135, 182.
Chow, W. L., 240.
Church, A., 122, 357.
Church, E., 58.
Church, W. R., 56, 179, 241, 242, 347, 436.
Churchill, R. V., 128, 316, 317.
Clack, R. W., 316, 317.
Claire, C. N., 248.
Clark, A. G., 56, 119, 121, 240, 241, 242, 557, 566.
Clark, Annie C., 130.
Clarke, E. H., 58, 375.
Claudette, Sister, 380.
Clawson, J. W., 61, 180, 499.
Clayton, J. S., 248.
Clements, G. R., 2, 248.
Cleveland, C. M., 58, 184.
Clifford, A. H., 501, 505.
Coble, A. B., 182, 295, 446.
Coe, C. J., 183.
Coffin, L. M., 134, 563.
Cohen, A., 2, 130, 248.
Cohen, L. W., 1, 123, 510.
Cole, J. P., 247, 248.
Coleman, J. B., 123.
Collier, Myrtie, 501.
Collins, O. C., 56.
Collins, R., 605.
Colpitts, Julia T., 134, 563.
Colwell, R. C., 51.
Combescure, E., 246.
Comstock, C. E., 446.
Condit, I. S., 563.
Conkwright, N. B., 134, 135, 137, 182, 563.
Conlee, R. H., 1, 501.
Conley, W., 488.
Cook, G. S., 505.
Coolidge, J. L., 29, 109, 293.
Cooper, A. E., 184.
Copeland, Lennie P., 123, 501.
Coral, M., 58, 369.
Corbin, A. S., 316.
Corey, S. A., 135, 136.
Corse, W., 428.
Courant, R., 367, 506, 507.
Cox, C. S., 438.
Cox, E. F., 177.
Cox, Gertrude, 135.
Cox, H. M., 123, 129.
Craig, A. T., 123, 129, 135, 182, 369, 563, 564, 565.
Craig, C. C., 183, 316.
Craig, C. F., 182.
Craig, H. V., 167, 184.
Cramer, P., 426.
Crane, A. G., 566.
Crane, R., 375, 377, 556, 560.
Crathorne, A. R., 182, 446, 538.
Crenshaw, B. H., 540.
Cresse, G. H., 130.
Crofts, Mary, 428.

Cromwell, D., 316.
Cross, J. H., 129.
Crowe, S. E., 316, 317.
Cruise, L. L., 505.
Crull, H. E., 603.
Culver, M. M., 184.
Cumming, F., 438.
Cunningham, E., 538.
Cureton, E. E., 354.
Currie, Roberta, 426.
Curry, H. B., 58, 446.
Curtis, Elizabeth E., 546.
Curtiss, D. R., 123, 125, 183, 446.
Dalaker, H. H., 355, 379.
Dale, Julia, 126.
Dalman, Mr., 427.
Daly, Miss C. M., 486.
Dancer, W., 316.
Dantzig, T., 59, 506, 507.
Darling, B. T., 604.
Darnell, A., 316.
Daugherty, R. D., 123, 320.
Daus, P. H., 245, 373, 374, 501, 506.
Davis, A. W., 135, 137.
Davis, F., 427.
Davis, H. T., 110, 123, 442, 443, 445.
Davis, J. M., 137, 510.
Davis, L., 490.
Davis, U. P., 316, 439.
Dean, Mildred W., 424.
Dearman, D. S., 437.
Decherd, Mary E., 184.
Decker, F. F., 184.
Deffley, Ruth I., 546.
Dehn, E., 222.
de la Cierva, J., 434.
Demos, M. S., 59.
DenHartog, J. P., 435.
Dennis, H., 603.
de Sitter, W., 58, 307.
Deutsch, J. G., 242.
Deutsch, L., 241.
Deutsch, R., 56, 121, 179, 180.
Diamond, A. H., 487.
Dickinson, C. N., 562.
Dickson, L. E., 181.
Dienes, P., 110, 418.
Dillingham, A., 2, 248, 506.
Dillon, J. H., 369.
Dimm, Hulda, 487.
Dines, L. L., 182.
Dinwiddie, A. B., 125.
Dittrick, J., 488.
Dix, C. H., 318.
DoBell, H. A., 71.
Dodd, E. L., 184, 318.
Dodgson, C. L., 420.
Donchian, P. S., 505.
Donohue, J. E., 369, 562.
Dorroh, J. L., 58, 435.
Dorwart, H. L., 369.
Dostal, B. F., 123, 438, 439, 440.
Dotterer, J. E., 442, 443, 445.
Dougherty, Lucy T., 320, 321.
Douglass, R. D., 369.
Downing, H. H., 137.
Downing, Kathleen, 546.
Downs, T. L., 368.
Drago, E. A., 427, 505.
Dresden, A., 61, 367.
Duerksen, J. A., 2, 248, 506.
Duncan, D. C., 45, 121, 239, 304, 487, 558, 607.
Dunkel, O., 47, 54, 119, 123, 127, 129, 163, 177, 244, 303, 362, 364, 365, 429, 491, 493, 495, 550, 553, 555.
Dunlap, J. W., 354.
Dunn, R. B., 60.
Duren, W. L., 59, 123.
Dushnik, B., 183, 369.
Dustheimer, O. L., 375.
Duval, E. P. R., 123.
Dwyer, W. A., 488.
Dyba, Olga, 488.
Earl, J. M., 134, 135, 136, 358, 378.
Eastham, J. N., 369, 505.
Echols, C. P., 122.
Echols, W. H., 46, 559.
Edington, W. E., 442, 443, 445, 606.
Edmondson, T. W., 53.
Edmonson, Nat, Jr., 123, 318, 320.
Edwards, O. C., 505.
Edwards, P. D., 442.
Eells, W. C., 298.
Egan, Rev. M. F., 210.
Eggers, H. C. T., 369.
Eide, Margaret C., 379.
Einstein, A., 307, 611.
Eisenhart, L. P., 123, 125.
Emch, A., 182, 446.
Emmons, C. W., 563.
Emmons, L. C., 316.
Engel, F., 354, 598.
Engel, F. L., 546, 547.
Engel, G. L., 547.
Ennis, J. B., 432.
Entz, G. G., 501.
Erikson, C. M., 316, 317.
Erwin, Grace, 379.
Erwin, M. C., 505.
Escott, E. B., 243, 432.
Eskelson, Ola, 316.
Esty, T. C., 112, 338.
Ettlinger, H. J., 184, 318, 501.
Evans, G. C., 123, 130, 318.
Evans, G. W., 123, 318.
Everett, H. S., 129, 506, 613.
Everett, J. P., 308, 316.
Ewin, Mary, 2, 248.
Eyre, Virginia, 605.
Ezekial, M., 500, 569.
Faber, K., 354, 598.
Farrell, O. J., 435, 562.
Federhofer, K., 538.
Federico, P. J., 2, 506.
Fehn, A. R., 137, 139, 510, 511.
Feld, J. M., 174, 179, 300, 369, 436, 550, 557.
Feldman, H. M., 430.
Field, F., 438, 439.
Field, P., 183, 316.
Field, S. E., 435, 557.
Fink, G., 604.
Finkel, B. F., 123, 125, 129, 132.
Finlay, A. E., 318.
Fisanick, G., 316.
Fischer, C. H., 123, 436.
Fisher, H. L., 240.
Fisher, I., 125, 182.
Fisher, R. A., 538, 564.
Fisk, N. C., 1, 59, 369, 556.
Fiske, T. S., 427.
Fite, W. B., 182.
Fithian, J. H., 562.
Fitzpatrick, J. D., 316, 488.
Flagg, Elinor B., 446.
Fleisher, E., 56, 556, 557.
Flexner, W. W., 435.
Flood, M. M., 436.
Foch, A., 538.
Focke, T. M., 123, 375.
Folk, Pauline F., 566.
Folley, K. W., 316, 317.
Foraker, F. A., 184.
Ford, L. R., 123, 318, 490.
Ford, O. R., 51.
Ford, W. B., 130, 131, 183, 316.
Fort, T., 61, 123.
Foss, C., 546.
Foster, A. L., 58, 369.
Foster, M. C., 59.
Foust, J. W., 557.
Fox, Jeanette, 610.
Frame, J. S., 368.
Francis Xavier, Sister, 129.
Frankenbush, Bertha E., 123.
Fréchet, H., 354.
Fremd, Lydia K., 137.
Frey, H., 605, 606.
Friedman, M., 605.
Friedman, W. F., 394.
Frink, O., 430, 490, 549.
Fry, T. C., 199.
Fueter, R., 57.
Funkhouser, H. G., 557.
Gadske, R. E., 505.
Gaines, R. E., 2, 46, 116, 175, 490, 559, 608.
Galbraith, A., 43, 368.
Gale, A. S., 373.
Gamow, G., 110.
Ganguli, S., 251, 389.
Garabedian, H. L., 183, 446.
Garrett, Miss Boyce, 426.
Garrett, W. H., 320.
Garver, R., 373, 374, 476, 501, 533, 544.
Gault, A. E., 121, 446.
Gehman, H. M., 307, 428, 499.
Gelders, J. S., 426.
Gentry, F. C., 1, 123.
Gergen, J. J., 368.
German, F. C., 129.
Germond, H. H., 439, 562.
Gerst, F. J., 123.
Getchell, B. C., 316.
Gibbens, Gladys, 183, 379.
Gibson, Emma M., 430.
Gigli, D., 168.
Gillespie, D. C., 182.
Gilley, C. A., 318.
Gilman, R. E., 129, 296, 353, 589.
Gingrich, C. H., 379, 380, 488.
Ginnings, R. M., 446.
Ginsberg, A., 427.
Ginsburg, J., 561.
Glazier, Harriet E., 501.
Gleason, J. M., 373.
Glover, B. C., 375.
Godeaux, L., 597.
Gold, J. S., 123, 487.
Goldberg, M., 2, 123, 248, 506.
Goodhue, E. A., 557.
Goodhue, W. M., 289.
Goormaghtigh, R., 54, 493, 535, 550, 556, 557, 559.
Gordon, Pres., 249.
Gordon, Sarah, 427.
Gorrell, G. W., 566.
Gorrie, Margaret, 426.
Gosnell, Patricia, 2, 506.
Gourin, E., 369.
Graesser, R. F., 562.
Graham, Helen, 427.
Graham, Mabel S., 499.
Grant, E. D., 442.
Grant, J. D., 436.
Graustein, W. C., 235.
Graves, G. H., 442, 542.
Graves, L. M., 181, 545.
Graves, R., 499.
Green, H. G., 16.
Green, L., 120, 427.
Greenberg, M. A., 605.
Greenleaf, H. E. H., 442, 443, 444, 606.
Griffin, F. L., 501, 569.
Griffin, K., 605.
Griffith, D. M., 487.
Griffiths, Lois, 501.
Grimes, N. C., 1.
Grossman, H., 226, 305, 414, 556, 608.
Groteau, Claire G., 605.
Grove, V. G., 316.
Guberich, J. R., 427.
Guggenbühl, Laura, 546.
Gunder, D. F., 56, 497, 557.
Gunstad, Borghild, 1.
Gurney, L. E., 308.
Gurney, Margaret, 108.
Gwinner, H., 248, 506.
Haas, A., 36.
Hadamard, J., 560, 611.
Hadden, D. E., 135, 136.
Hadley, S. M., 60, 130.
Hagemann, Dorothy, 427.
Hagen, Beatrice, 436.
Haggard, H. W., 446.
Hall, Annie, 546.
Hallett, G. H., 183.
Halliwill, Marjorie E., 55.

Halperin, H. H., 318.
Halsey, R. T. H., 249.
Hamilton, H. J., 544, 545.
Hamilton, W. M., 248, 506.
Hamilton, W. R., 231.
Hampton, L. D., 438.
Hancock, H., 110, 192, 375.
Hardin, J. A., 247.
Hardy, G. H., 538.
Harkin, D. C., 438.
Harp, E. L., Jr., 1.
Harrell, J. W., 318.
Harris, Isabel, 2.
Harshbarger, W. A., 320.
Hart, T. C., 248.
Hart, W. L., 110, 123, 379, 488, 501, 502.
Hart, W. W., 354.
Hartig, H. E., 355, 379, 380.
Hartung, M. L., 184, 369.
Harwell, J. T., 248.
Harwood, May N., 184.
Haseman, C., 60, 130.
Haskell, R. N., 184.
Hasse, H., 296.
Hassler, J. O., 123.
Hatcher, T. W., 370.
Hatfield, C., 137, 510.
Haughton, Sarah E., 123, 129, 426.
Haughwout, L. B., 498.
Heath, D. H., 443, 444.
Heckel, Marjorie L., 59.
Hedrick, E. R., 123, 125, 127, 130, 131, 306, 308, 499, 501, 502, 544.
Hefner, R. A., 1, 370, 562.
Heisenberg, W., 435.
Helmick, P. S., 605.
Hemenway, L. D., 562.
Hemke, P. E., 59.
Hendricks, S. F., 1, 510.
Hennel, Cora B., 442.
Henry, A., 355, 542.
Herman, J., 487.
Hershfield, A., 498.
Hestenes, M. R., 545, 612.
Hiatt, G., 606.
Hickey, Deborah M., 123, 437.
Hicks, J. F. G., 241.
Hildebrandt, E. H., 444, 605, 606.
Hildebrandt, T. H., 183, 316.
Hill, A. L., 378, 379.
Hill, Dorothy, 427.
Hill, J. D., 56, 240, 241, 373, 501, 557, 608.
Hill, P. R., 438.
Hill, W. H., 320.
Hillard, C. R., 557.
Hille, E., 123, 435.
Himwich, A. A., 130.
Hinrichsen, J. J., 135, 136, 549, 564, 565.
Hinsch, V. B., 612
Hobson, E. W., 110.
Hodge, F. H., 442, 443.
Hodgkins, H. L., 130.
Hoersch, V. A., 182, 612.
Hohenemser, K., 538.
Holder, F. J., 130.
Holl, D. L., 49, 135, 564, 565, 604.
Holland, Lulu M., 426.
Hollcroft, T. R., 181.
Holloway, R., 545.
Holmes, C. T., 370.
Homkowycz, T., 546.
Hoover, W., 497, 498.
Hopf, L., 237.
Hopkins, E. M., 309.
Hopkins, L. A., 183, 316, 317.
Hopper, Grace M., 1.
Horton, Goldie P., 318.
Hosford, H. M., 123, 130, 427, 486.
Householder, A. S., 59, 320.
Howard, E. A., 604.
Howie, J. M., 378.
Hubbs, H. N., 370.
Hughes, H. K., 442.
Hughes, Jewell C., 123, 501, 502, 544.
Hull, G. F., Jr., 547.
Hull, R., 545.
Humphreys, R., 605.
Hunt, G. H., 373, 501.
Hunt, Mildred, 446.
Hurley, H. T., 135, 137.
Hurst, J. W., 501.
Hurwitz, W. A., 182, 307, 424, 499.
Hutcherson, W. R., 370, 510, 511.
Hutchings, W. L., 486, 487.
Hutchinson, C. A., 123, 129, 501, 503, 566.
Hutchinson, J. J., 182.
Hutto, Eunice, 316.
Hyde, Emma, 320.
Ince, E. L., 424.
Ingalls, E. E., 316, 317.
Inglis, D. R., 370.
Ingold, L., 123.
Ingraham, M. H., 123, 168, 501, 502, 506, 566.
Irland, G., 487.
Itkin, K., 427.
Ivanoff, V. F., 29, 30, 55, 115, 117, 240, 364, 429, 487, 490, 495, 498, 499.
Ivener, Goldie, 544, 545.
Jackson, D., 123, 126, 127, 128, 183, 379, 380, 437, 438, 439, 499, 501, 504.
Jackson, Rosa L., 123.
Jacobson, Beatrice, 546.
Jacoby, H., 562.
Jaeger, C. G., 247, 373, 501.
James, G., 501, 504.
James, G. O., 122.
James, R. D., 545.
Janes, W. C., 320.
Jeans, J. H., 307.
Jekel, A. H., 562.
Jensen, C. M., 379, 501.
Jensen, E., 605.
Johnson, A. E., 499.
Johnson, Eleanor, 546.
Johnson, Mrs. Elsie P., 308.
Johnson, E. N., 442.
Johnson, Louise, 316.
Johnson, R. A., 41, 115, 121, 129, 242, 498.
Johnson, W. C., 546, 547.
Johnston, F. E., 2, 248, 506.
Johnston, L. S., 121, 179, 180, 240, 415, 479, 556.
Jonah, F. C., 375.
Jones, B. W., 123, 129.
Jones, H., 316.
Jones, S. I., 354, 549.
Jordan, H. E., 182, 320.
Jordan, M. F., 245.
Jose, P. D., 1.
Kaltenborn, H. S., 557.
Karpinski, L. C., 183, 561.
Kasner, E., 182, 561.
Kazarinoff, D. K., 317.
Kearney, Dora E., 563.
Keith, Mary N., 501.
Kellar, M. W., 443.
Keller, E. R., 316, 510.
Kellogg, O. D., 500.
Kells, L. M., 2, 506.
Kempner, A. J., 566.
Kendall, Claribel, 566.
Kennedy, E. C., 240, 301, 374, 478, 535.
Kennison, L. S., 436, 500.
Keyser, C. J., 31, 561.
Kholodovsky, E. A., 122.
Kiefer, E. C., 446.
Killen, C. G., 247.
Killibrew, C. D., 438.
Kimball, B. F., 177, 543, 549, 593, 607.
Kimball, W. S., 317.
Kinney, J. M., 446.
Kirchner, W. H., 379, 380.
Klauber, L. M., 373.
Kline, J. R., 61, 183.
Klinger, E. L., 442.
Klipple, E. C., 184.
Knebelman, M. S., 61.
Knedler, P. A., 61.
Knight, Kate K., 316.
Knight, L. C., 375.
Knights, Francis, 487.
Knisely, A., 60, 130.
Knowlton, Gladys, 546.
Knox, J. J., 557.
Kokomoor, F. W., 123, 438, 439.
Korgen, R. L., 129.
Kormes, Mrs. Jennie P., 436.
Kosolapoff, G., 427.
Kovarik, A., 611.
Kowalewski, G., 40.
Krathwohl, W. C., 446.
Kreider, O. C., 129.
Kringer, P., 426.
Kropp, C. H., 427.
Kuhn, H. W., 123, 129, 246, 372, 375.
Kullback, S., 248.
Kunkel, P. V., 61.
Kurtz, A. K., 354.
Lacy, Charlotte M., 357.
LaFon, J. E., 129.
Lambert, W. D., 2, 3, 248.
Lanczos, C., 367, 368, 443, 445, 446.
Landry, A. E., 248, 506.
Lane, E. P., 181, 237, 245, 545, 569.
Lane, Ruth, 182.
Lange, Luise, 446.
Langer, R. E., 184.
Langmuir, I., 307.
LaPaz, L., 245, 524.
Laplace, P. S., 355.
Larew, Gillie A., 2, 3.
Larson, Dr., 488.
Larson, Irene, 546.
Latimer, C. G., 123, 126, 127, 137, 138, 510.
Latshaw, V. V., 61.
Lawlor, R., 545.
Lazure, B., 488.
Leary, Marion, 546.
Ledesma, M. C., 129.
Lehmann, C. H., 428, 557.
Lehmer, D. H., 58, 383, 501.
Lehmer, D. N., 183, 306, 501, 502.
Lehmer, Emma T., 179, 242.
Lehnerts, E. M., 546.
Leiper, C. L., 248, 506.
Leith, J. D., 56, 241, 430, 557.
Lemons, Alleen, 137.
Lennes, N. J., 35.
Leonard, H. B., 501.
Leonarda Burke, Sister, 368.
Le Stourgeon, Elizabeth, 137, 510.
Levin, Madeline, 544.
Levine, J., 501.
Levy, H., 446.
Lewis, A. J., 566, 567.
Lewis, C. F., 320.
Lewis, F. A., 123, 426, 438.
Lewis, Florence P., 2, 248.
Lindemann, F. A., 354.
Lindquist, T., 121, 241, 556, 557.
Lindsey, T. J., 437.
Linehan, P. H., 297.
Linfield, B. Z., 2, 3.
Linhart, A., 373.
Link, Alice, 428.
Littauer, S. B., 58.
Livingston, G. R., 373, 501.
Lochner, R. P., 301.
Lodwick, Deca, 501.
Logsdon, Mayme I., 112, 130, 137, 138, 446, 501, 503, 506, 538, 545.
Longley, W. R., 130, 131, 171.
Loomis, E. S., 375, 377.
Loria, G., 42, 561.
Love, C. E., 316.
Love, Louise, 427.
Lovitt, W. V., 566.
Low, B. B., 110, 297.
Lubben, R. G., 123, 318.
Luck, J. J., 2.

Lunn, A. C., 545.
Luteyn, P., 355.
Lutz, Juna M., 442.
Lyle, G. A., 2, 248, 506.
Lyle, R. R., 428.
Lyman, T., 121.
Lytle, E. B., 446.
MacCullough, R. H., 375.
Macdonald, S. L., 566.
MacDuffee, C. C., 48.
MacKay, R., 1, 556, 557.
Mackaye, J., 36.
MacMillan, W. D., 446.
Maddox, A. C., 124, 247, 437.
Maier, Cecelia, 605.
Maizlish, I., 124.
Malley, J., 605.
Maney, C. A., 137, 138, 139.
Mann, E., 546.
Manning, F. L., 61.
Manning, G., 443.
March, H. W., 184, 506.
Markowitz, M., 1.
Marm, Anna, 320.
Marrin, F. E., 487, 488.
Martin, A., 301, 550.
Martin, L. M., 427.
Martin, W. T., 603.
Mary Aloysius, Sister, 505.
Mary Cordia Karl, Sister, 327, 370.
Mary Felice, Sister, 505.
Mary Felice Vandreuil, Sister, 372.
Mary deLellis Gough, Sister, 369.
Mason, Ruth, 316, 501.
Mason, T. E., 124, 442.
Mason, W. E., 373, 501, 544.
Mathis, Buena C., 1, 510.
Mathias, Florentina, 375.
Matthews, E. R., 487.
Mayer, W., 611.
McBride, L. B., 248.
McCain, Gertrude, 7, 56, 59, 241.
McCallum, R., 488.
McCarthy, E. D., 612.
McCarthy, J. C., 487.
McClellan, Ada A., 501.
McConnell, A. J., 166.
McCoy, Dorothy, 124, 557.
McCracken, E. C., 604.
McDonough, D., 370.
McEwen, G. F., 59, 373, 501.
McGavock, Martha P., 59.
McGaw, F. M., 134, 563.
McGiffert, J., 501.
McKelvey, J. V., 563, 564, 565.
McLaughlin, J. A., 241.
McMaster, A. S., 566.
McShane, E. J., 58, 124, 446, 545.
Meacham, E. D., 124.
Mears, Florence M., 2, 506.
Meder, A. E., Jr., 61.
Meek, Kate M., 501.
Mendel, C. W., 58.
Mendelsohn, C. J., 394.
Menge, W. O., 183, 370, 435.
Menuet, R. L., 124.
Merriam, G. M., 375.
Merrill, A. S., 499.
Merrill, Helen A., 179.
Meters, J., 488.
Meyer, F. A., 47, 442, 499.
Meyer, J. B., 557.
Michal, A. D., 501.
Mickelson, E. L., 501.
Miles, H. J., 446.
Miller, Bessie I., 60, 130.
Miller, E. B., 446.
Miller, G. A., 171, 446.
Miller, G. I., 56.
Miller, H. L., 370.
Miller, Julius, 546.
Miller, L. S., 248.
Miller, Lulu, 487.
Miller, N., 420.
Miller, Mrs. Pearl, 607.
Millikan, R. A., 58, 434, 561.
Millington, H. G., 184.
Mills, C. N., 446, 448.
Milne, W. E., 130, 501, 611.
Miser, W. L., 124.
Miser, Mrs. W. L., 124.
Mitchell, B. E., 124, 247.
Mitchell, H. H., 125.
Mode, E. B., 546.
Moody, Ethel I., 2.
Moore, Amy I., 321.
Moore, B. C., 321.
Moore, C. L. E., 60, 130.
Moore, C. N., 62, 124, 561.
Moore, E. C., 502.
Moore, G. E., 370, 446.
Moore, L. T., 59, 298.
Moore, R. L., 57, 58, 184, 318, 367.
Moore, T. W., 124, 442.
Moore, W. L., 137, 138, 510.
Moots, E. E., 134.
Morehouse, D. W., 605.
Morenus, Eugenie M., 2, 124.
Morgan, T. H., 125.
Moritz, R. E., 56, 359.
Morley, F., 249, 359, 506, 549.
Morley, R. K., 230, 489.
Morrey, C. B., 58, 370.
Morrill, W. K., 248, 249, 557.
Morris, C. C., 245, 375.
Morris, M., 499.
Morris, R., 61, 124, 556.
Morse, D. S., 59.
Morse, M., 245, 434, 560.
Morton, A. B., 124, 438.
Mosesson, Z. I., 368.
Moskovitz, D., 612.
Mossman, Thirza A., 124, 320.
Moston, L. T., 368.
Mott, Lucretia A., 603, 604.
Moulton, E. J., 124, 446, 506.
Moulton, F. R., 482, 600.
Moynahan, Marian, 546.
Mullings, M. E., 370.
Murnaghan, F. D., 2, 182, 248, 358, 506, 507, 508.
Murphy, W., 487.
Murray, C. A., 318.
Murray, V. F., 129, 431, 556.
Musselman, J. R., 129, 172, 179, 290, 375, 376, 559.
Myers, G. W., 122, 130.
Myers, W. C., 308.
Nason, P., 488.
Needham, D. P., 604.
Neelley, J. H., 56, 240, 499.
Neff, I. F., 605.
Neff, Mary, 605.
Nelson, A. L., 316.
Nelson, Mr., 546.
Nelson, Polly, 316.
Ness, Marie M., 379.
Newlin, R. L., 375.
Newsom, C. V., 59, 370, 501.
Nichols, Anne, 605.
Nichols, L. C., 124, 247, 248, 437.
Nielson, N., 597.
Nixon, Mrs. Elizabeth, 556.
Noble, A., 606.
Norbert, B., 318.
Nordgaard, M. A., 182.
Norris, H. M., 603.
Nyswander, J. A., 245.
Oakley, C. O., 124, 548, 589.
Oberg, E., 380.
Ogg, F. C., 612.
Oldenburger, R., 375.
Olds, E. G., 370.
Olds, G. D., 130.
Ollivier, A., 320.
Olson, H. L., 129, 305, 316.
Oort, J. H., 611.
O'Quinn, R. L., 247, 248.
Orange, W. B., 501.
Orr, Eunice C., 442.
Osborn, J., 124.
O'Toole, A. L., 58, 370, 379, 380.
Ott, W. P., 124, 438.
Owens, F. W., 124, 129, 501.
Owens, Mrs. F. W., 502.
Page, L., 135.
Palmer, C. I., 130.
Papelier, G., 485.
Paradiso, L. J., 370.
Park, R. S., 137.
Park, S., 509, 510.
Parker, W. V., 240, 305, 316, 370, 434, 437, 557.
Pauling, L., 504.
Paxton, E. K., 2.
Pearson, R. A., 506.
Peek, R. L., 276.
Pelletier, A., 56, 57, 119, 121, 179, 180, 241, 244, 303, 305, 364, 366, 431, 432, 495, 497, 499, 556, 557.
Pell-Wheeler, Mrs. Anna J., 434.
Pence, Sallie, 137, 510.
Pennell, W. O., 261.
Perkins, F. W., 547.
Perron, O., 355.
Perry, D. B., 505.
Perry, Viola, 129.
Peters, J. W., 446.
Peterson, O. J., 320, 321.
Peterson, T. S., 502.
Pettit, H. P., 355.
Philips, A. W., 320.
Phipps, C. G., 439.
Pierce, J., 371, 375.
Pierce, T. A., 161, 378.
Pierpont, J., 235.
Pirenian, Z. M., 124, 438, 540.
Pixley, Emily C., 369.
Pixley, H. H., 316, 371.
Plant, L. C., 316.
Polan, L. R., 1.
Pollard, H. S., 375.
Pollock, S., 371, 442, 445.
Pontrjagin, L. S., 245.
Poor, V. C., 41, 183.
Porter, C. S., 59.
Porter, M. B., 318.
Potter, Mary A., 308.
Powell, J. E., 316, 317, 371, 435.
Pretz, P. S., 320.
Preuss, Marianne, 604.
Price, G. B., 562.
Prior, L. E., 16.
Pugsley, D. W., 137, 138, 139, 510.
Pupin, M. I., 121.
Purcell, E. J., 56, 502.
Putnam, J. W., 442.
Pyle, H. R., 371.
Quade, E. S., 316.
Quaid, L. J., 505.
Quigley, Mary J., 59.
Radlich, Sylvia, 544.
Radó, T., 85, 124, 126, 306, 502, 503.
Rainich, G. Y., 183, 316.
Ramler, O. J., 120, 240, 244, 364, 495, 506.
Ramsey, F. P., 110, 355.
Randall, A. R., 557.
Rankin, A. W., 557.
Rankin, W. W., 438, 441.
Ransom, W. R., 30, 489, 547, 606.
Rasche, W. H., 1, 175, 239, 300, 359, 430, 431, 556.
Rasmussen, C. A., 119.
Rasor, E. A., 56.
Rasor, S. E., 124.
Rawlins, C. H., 248, 506.
Raynor, G. E., 61.
Rea, P. L., 56.
Reaves, S. W., 124.
Rechard, O. H., 566.
Rees, E. L., 137, 510.
Rees, Mina S., 371, 612.
Rees, P. K., 318.
Rees, W. A., 318.
Reeve, W. D., 308.
Reid, F., 605.
Reid, W. T., 181, 446, 545.
Reidemeister, K., 538, 539.
Reilly, J. F., 134, 135, 136, 137, 182, 563, 564, 565.
Reinsch, B. P., 318.

Reising, J. A., 442.
Remick, B. L., 320.
Reynolds, J. B., 61, 175, 239, 473, 499, 607.
Reynolds, Lena E., 502.
Rhoades, G., 488.
Rhodes, C. E., 375, 594.
Rhodes, M. C., 247, 248.
Rice, E. W., Jr., 181.
Rice, J. N., 248, 506.
Richard, P. J., 541.
Richardson, C. H., 124, 487.
Richardson, R. G. D., 124, 561.
Richert, D. H., 240.
Richey, F. A., 247.
Richtmeyer, C. C., 316, 557.
Rickard, Hortense, 375.
Rietz, H. L., 124, 129, 134, 538, 563.
Rietz, J. C., 538.
Rigrod, W. W., 427.
Risselman, W. C., 229.
Ritt, J. F., 182, 306, 502.
Roantree, W. F., 538.
Robb, D. L., 1.
Robb, J., 545.
Robb, J. M., 502.
Robbins, C. K., 442, 446.
Roberds, Prof., 426.
Robert, H. M., 249, 250, 506.
Roberts, B. D., 120, 134, 135, 240, 563, 565, 612.
Roberts, B. J., 371.
Robertson, F., 135, 136, 563.
Robertson, H. P., 603.
Robinson, A. J., 438.
Robinson, H. A., 371, 557.
Robinson, R., 540, 547.
Robinson, R. M., 486, 487.
Robinson, S., 182.
Robinson, S. L., 371.
Robison, E. C., 487.
Rodgers, E., 426.
Rogers, H. P., 59.
Roman, I., 122.
Roos, C. F., 500.
Root, R. E., 2, 248, 355, 506.
Rose, J. H., 316.
Rose, M., 605.
Rosenbaum, J., 30, 56, 304, 364, 366, 495, 496, 552.
Rosenbaum, R., 119.
Rosenberg, Ella S., 487.
Rosenman, M., 175, 239.
Rosinger, K. E., 505.
Ross, A. E., 58, 371, 373.
Roullet, H., 354.
Roulton, J. A., 61.
Rouse, L. J., 109, 316, 423.
Rouse, T. A., 371.
Rowe, C. H., 352.
Rowland, S. A., 375.
Rubinsky, A., 427.
Ruderman, H. D., 240, 556, 557.
Running, T. R., 316, 317, 605.
Rupp, C. A., 61.
Rusk, W. J., 563.
Russell, Beulah, 2.
Russell, H. N., 245.
Rust, W. M., 318.
Rutherford, D. E., 242, 538.
Rutt, N. E., 436.
Ryan, E. H., 427.
Ryan, Margaret M., 1.
Sadowsky, M. A., 380.
Sallin, A., 542.
Sanchez-Diaz, R., 557.
Sanders, S. T., 124, 247, 248.
Sanger, R. G., 316, 371, 545, 613.
Scarborough, J. B., 248, 506.
Schaaf, W. L., 35.
Schaffert, R., 187.
Scheier, M., 506.
Schelkunoff, S. A., 42.
Scherberg, M. G., 371, 380.
Schey, O., 1, 379.
Schlauch, Helen M., 218.
Schlauch, W. S., 308.
Schmeiser, Mabel F., 371.
Schneider, P., 487, 488.
Schnepp, R. F., 505.
Schoenberg, I., 446, 545.
Schoonmaker, Hazel, 121, 124, 557.
Schoonover, R. H., 316.
Schorling, R., 308.
Schreiber, E. W., 308.
Schroeder, Helen, 546.
Schug, H. L., 316, 557.
Schurmeier, F., 488.
Schwaab, H. M., 487, 488.
Scott, Charlotte, 122.
Searcy, H. C., Jr., 129.
Seidel, W., 58, 368.
Seidlin, J., 114.
Sell, W., 1, 124, 556, 557, 559.
Sharpe, B. B., 428.
Sharpe, F. R., 182.
Shaw, A. A., 116, 502.
Sherer, C. R., 124, 127, 318.
Sherk, W. H., 428.
Sherwood, G. E. F., 373, 502, 545.
Shewhart, W. A., 124, 307.
Shibli, J., 537.
Shirk, J. A. G., 320, 321.
Shirley, E. M., 247.
Shively, L. S., 442, 556.
Shoesmith, Beulah I., 308.
Shohat, J. A., 60, 61, 183, 307, 499.
Shook, C. A., 61.
Shorter, L. R., 110.
Shover, C. Grace, 371.
Showman, H. M., 373, 502.
Shrage, Adele, 427.
Shumway, R. R., 379.
Silberstein, L., 600.
Silverman, L. L., 49, 311, 547.
Simmons, H. A., 124, 183, 446, 609.
Simons, L. G., 422, 423, 561.
Simpson, C. G., 368, 436.
Simpson, T. M., 124, 438, 439, 440, 540.
Simpson, T. McN., Jr., 2.
Singer, J., 371.
Sinkov, A., 248.
Siroky, E., 124, 556.
Sisam, C. H., 41, 598.
Skarstedt, M., 502.
Skelly, J. F., 427.
Skinner, E. B., 184, 538.
Slaught, H. E., 124, 125, 129, 181, 310, 446, 489, 499, 545.
Sledge, Mrs. J. W., 426.
Sleight, E. R., 316.
Slepian, J., 561.
Slichter, L. B., 60.
Slobin, H. L., 355.
Small, L. L., 61, 174, 502.
Smith, C. D., 124, 247, 248, 437.
Smith, Clara E., 124, 502.
Smith, D. E., 44, 129, 246, 425, 560, 561.
Smith, E. R., 41, 134, 135, 136, 563, 564, 604.
Smith, G. V., 426, 427.
Smith, G. W., 182, 320.
Smith, H. L., 124, 126, 247, 437.
Smith, K., 605, 606.
Smith, L. W., 2.
Smith, Martha L., 2.
Smith, P. F., 171.
Smith, P. K., 371.
Smith, R. G., 60.
Smith, T. L., 53, 371, 433.
Smith, Wallace, 56, 244, 301, 364, 495, 556.
Smith, Walter, 487, 488.
Smith, W. E., 605, 606.
Smith, W. M., 61, 62.
Smyth, Mrs. Ruth B., 56, 555, 557.
Snedecor, G. W., 124, 134, 135, 563.
Sniffen, Madeline, 427.
Snyder, V., 124, 182.
Sokolnikoff, Elizabeth S., 60.
Sokolnikoff, I. S., 184, 371.
Solomonow, J., 487, 488.
Sosnow, G. Y., 239.
Spann, J. T., 506.
Sparks, F. W., 318, 371.
Spencer, Mary C., 124.
Sperry, Pauline, 60.
Spies, O. A., 548.
Spunar, V. M., 53, 116, 493.
Stafford, H., 605.
Staley, R. C., 121, 179, 557.
Stark, E. P., 241, 242.
Starke, E. P., 179.
Starr, N., 249.
Steed, D. V., 308, 502.
Steen, F. H., 368.
Steimley, L. L., 182.
Stelson, H. E., 243, 303, 375.
Stelzner, Jane, 427.
Stephens, E., 124.
Stephens, R. C., 1, 124, 372.
Stetson, J. M., 2.
Stevenson, G., 137, 510.
Stokes, C. N., 380, 505.
Stone, M. H., 245, 435.
Stouffer, E. B., 165, 561.
Stout, C. E., 316.
Stowell, C. J., 446.
Strane, A. J., 505.
Stratton, W. T., 124, 320, 321, 372.
Streator, G. W., 1.
Street, R. E., 1.
Strom, C. W., 134, 135, 136, 563, 564.
Strong, G. E., 604.
Strong, R. P., 125.
Struik, D. J., 114.
Strutt, M. J. O., 538.
Struve, O., 612.
Suckau, T., 413.
Swann, W. F. G., 126.
Swanson, A. G., 316.
Swanson, R., 487.
Swartzel, K. D., 183.
Swift, E., 122, 556.
Synge, J. L., 124.
Szegő, G., 49.
Taliaferro, T. H., 506.
Talmey, M., 40, 238.
Tamarkin, J. D., 49, 124, 561.
Tangjerd, H. I., 1, 379.
Tartler, A., 61.
Tate, J. T., 121.
Taylor, E. H., 446.
Taylor, F. J., 379, 380, 381, 502.
Taylor, J. H., 248, 249, 506.
Taylor, J. S., 184.
Taylor, L. B., 546.
Taylor, Mary S., 538.
Taylor, Mildred, E., 2, 372, 506.
Teach, V. B., 316, 446.
Ternandt, Helen E., 505.
Thébault, V., 316.
Theilman, H. P., 245.
Theobald, J., 134.
Thomas, C. F., 375.
Thomas, J. M., 562.
Thomas, T. Y., 112.
Thompson, W. A., 362.
Thomson, J. F., 124, 316.
Thorp, Ella, 379.
Thurston, H. S., 426.
Tigert, J. J., 439.
Titchmarsh, E. C., 538.
Titsworth, Mrs. H. L., 124.
Titus, C. H., 569.
Tolley, H. R., 503, 569.
Tomastic, E., 488.
Toops, H. A., 375, 376.
Torrance, C. C., 372.
Touton, F. C., 502.
Townsend, E. J., 446.
Trijitzinsky, W. J., 58, 436.
Tripp, M. O., 375.
Tucker, B. A., 124.
Turnbull, H. W., 537, 599.
Turner, J. S., 563, 564.
Tyler, H. W., 124.
Tyler, J., 2, 3, 248, 249.
Uhler, H. S., 498, 589.
Underhill, A. L., 183, 379, 380, 383.

Underwood, F., 56, 57, 119, 120, 121, 180, 240, 243, 244, 304, 305, 347, 364, 365, 430, 432, 434, 495, 498, 556, 557, 558, 560.
Urey, H. C., 561.
Urner, S. E., 373, 502.
Uspensky, J. V., 116, 176, 322.
Van Buskirk, H. C., 373, 502.
Vanderslice, J. L., 611.
Vandiver, H. S., 124, 126, 184, 502, 504, 505.
Van Vleck, J. H., 90.
Veatch, R. W., 124.
Veblen, O., 124, 245, 538, 562, 611.
Velten, Beatrice M., 505.
Vetter, Q., 511.
Vining, R., 426.
Virts, R. O., 442.
Vivanti, G., 168.
Voliva, J., 606.
Von Neumann, J., 538.
Wad, E., 359.
Wade, T. L., 3.
Wagner, C. C., 372.
Walker, Catherine L., 129.
Walker, Eleanor, 488.
Walker, Evelyn, 546.
Wall, H. S., 96.
Wallace, A. M., 316.
Walsh, J. L., 130.
Walters, E. L., 1.
Walther, H., 129.
Walton, T. O., 316.
Wamser, C. A., 428.
Wangemheim, J., 373.
Ward, L. E., 134, 182, 502, 563.
Ward, M., 28, 304, 373, 502.
Warnock, W. G., 372.
Watkins, Mrs. C. E., 426.
Watkins, J., 427.
Watts, C. W., 60, 130.
Wear, L. E., 502.
Weaver, G. L., 56.
Weaver, J. H., 124, 245, 375, 505.
Weaver, T., 413.
Weaver, W., 181, 448.
Webber, W. P., 124, 247.
Wedderburn, J. H. M., 124.
Wegner, K. W., 436.
Weida, F. M., 124, 129, 130, 248, 506.
Weinberg, E. F., 438, 439.
Weinberger, M., 499.
Weinrich, M. F., 600.
Weinstein, C., 61.
Weisberg, H., 556, 557.
Weisner, L., 296.
Weiss, Marie J., 124, 502.
Wells, C. R., 604.
Wente, Irene L., 316.
Wernicke, P., 366, 431, 432, 499, 506, 557, 559, 560.
West, Ada H., 316.
West, J. M., 45, 556.
Wester, C. W., 124, 134, 563, 564.
Weyl, H., 612.
Wheeler, C. H. III, 2, 248.
Wheeler, H. E., 372.
Wheeler, J. J., 182.
White, A. E., 320.
White, H. S., 499.
White, Marion B., 379, 488.
Whited, W., 61.
Whitehead, J. H. C., 538.
Whitford, A. E., 562.
Whitford, D. E., 245.
Whiting, Mabel G., 502.
Whitney, H., 58, 368, 499.
Whyburn, G. T., 2, 246, 248, 502, 506.
Whyburn, W. M., 502, 503.
Wiancko, Frances H., 545.
Wiarda, G., 537.
Widder, D. V., 435.
Wieleitner, H., 246, 307.
Wiener, N., 612.
Wilbur, W. E., 355.
Wilczynski, E. J., 500, 567.
Wilder, Marian A., 1, 379.
Wilder, R. L., 183, 316.
Wildermuth, R. B., 375.
Wilks, S. S., 58, 135, 372.
Willard, H. R., 245.
Willett, H. C., 373, 502.
Williams, F. G., 60, 557.
Williams, G. A., 121, 502.
Williams, K. P., 124, 442.
Williamson, C. O., 375.
Williamson, G., 247.
Williamson, J. W., 2, 248, 280, 506.
Wills, A. P., 110, 598.
Wilmer, F. L., 119, 242, 304, 367, 555, 557, 559.
Wilson, A. H., 61.
Wilson, Miss D. A., 486.
Wilson, Dorothy M., 121.
Wilson, W., 604.
Wilson, W. H., 124.
Winch, R. P., 372.
Winger, R. M., 174, 503, 578.
Winslow, J. B., 316.
Winton, L. S., 316.
Wishard, G. W., 179.
Wolfe, C., 373, 502.
Wolff, J., 358.
Wong, Y. K., 372.
Woo, K., 56, 121, 240, 487, 562.
Wood, F., 368.
Wood, Rose B., 246.
Woods, R., 121, 134, 182, 556, 557, 559, 563, 564.
Woolard, E. W., 2, 5, 248, 506.
Working, H., 569.
Worthington, E. B., 505.
Worthington, Euphemia, 502.
Wrench, J. W., 428.
Wrestler, Ferna E., 320.
Wurst, Dorothy, 605.
Wyant, E. Kathryn, 124.
Wylie, C., 605.
Wylie, C. C., 182.
Yanney, B. F., 56, 499.
Yanosik, G. A., 359.
Yarbrough, H. M., 137, 510.
Yates, R. C., 2, 60, 506, 507, 557.
Yerushalmy, J., 58, 507.
Young, J. W., 6, 126, 129, 181, 309, 314.
Young, Mabel M., 120.
Young, Margaret M., 243.
Young, W. H., 57.
Youtz, P., 545.
Zacharias, M., 112.
Zariski, O., 2, 3, 248, 435, 506, 507.
Zehring, W. A., 130.
Zermelo, E., 538.
Zimmerman, B. C., 378.
Zimmerman, Mr., 488.
Zippin, L., 58, 435.
Zoch, R. T., 1.

NECROLOGY

Bauer, L. A., 368, 436.
Brodie, W. M., 562.
Burney, M. Sue, 130.
Chace, A. B., 246.
Clark, Annie C., 130.
Cresse, G. H., 130.
Dickinson, C. N., 562.
Donahue, J. E., 562.
Dunn, R. B., 60.
Grant, J. D., 436.
Hadley, S. M., 60, 130.
Haseman, C., 60, 130.
Himwich, A. A., 130.
Hodgkins, H. L., 130.
Holder, F. J., 130.
Jacoby, H., 562.
James, G. O., 122.
Jekel, A. H., 562.
Kellog, O. D., 500.
Kholodovsky, E. A., 122.
Knisely, A., 60, 130.
Miller, Bessie I., 60, 130.
Moore, C. L. E., 60, 130.
Myers, G. W., 122, 130.
Olds, G. D., 130.
Palmer, C. I., 130.
Scott, Charlotte A., 122.
Simpson, C. G., 368, 436.
Watts, C. W., 60, 130.
Wieleitner, H., 246, 307.
Wilczynski, E. J., 500.
Wood, Rose B., 246.
Young, J. W., 181.
Zehring, W. A., 130.

CORRIGENDA

Volume XXXIX 1932:

P. 28, A Correction to vol. XXXV, p. 11.
P. 487, line 13, for "V. H. Ivanoff" read "V. F. Ivanoff."
P. 506, line 13, for "R. M. Ashmun" read "R. N. Ashmun."
P. 507, line 9, add: "by invitation;" and, line 11, omit "by invitation."
P. 510, line 4, for "Mathias" read "Mathis."
P. 537, fifth line from bottom, for "Aitkin" read "Aitken."
P. 547, sixth line from bottom, for "1625" read "1525."
P. 555, line 15, for "Smith" read "Smyth."

THE AMERICAN MATHEMATICAL MONTHLY

THE OFFICIAL JOURNAL OF

THE MATHEMATICAL ASSOCIATION OF AMERICA

(INCORPORATED)

DEVOTED TO THE INTERESTS OF COLLEGIATE MATHEMATICS

EDITED BY

WALTER BUCKINGHAM CARVER, Editor-in-Chief
HERBERT ELLSWORTH SLAUGHT
AUBREY JOHN KEMPNER

WITH THE COÖPERATION OF

W. F. CHENEY
N. A. COURT
OTTO DUNKEL
H. S. EVERETT
B. F. FINKEL
R. E. GILMAN
R. A. JOHNSON
B. W. JONES
H. W. KUHN
J. R. MUSSELMAN
H. L. OLSON
D. E. SMITH
F. M. WEIDA

THE AMERICAN MATHEMATICAL MONTHLY, FOUNDED IN 1894 BY BENJAMIN F. FINKEL, WAS PUBLISHED BY HIM UNTIL 1913. FROM 1913 TO 1916 IT WAS OWNED AND PUBLISHED BY REPRESENTATIVES OF FOURTEEN UNIVERSITIES AND COLLEGES IN THE MIDDLE WEST

VOLUME XXXIX

1932

PUBLISHED BY THE ASSOCIATION

MENASHA, WIS., AND ITHACA, N.Y.